

CLAIMS

What is claimed is:

1. Bearing pin (1) for locking pieces (2, 21, 22), in particular a motor vehicle door lock (3),
in which the locking pieces (2, 21, 22) are at least partially rotationally mounted on the bearing pin (1) forming a bearing axis (L),
characterized in that,
a carrier plate (4) which is made of a shape-retaining material, in particular metal, and which supports at least one locking piece (2, 21, 22), is provided,
and from which a clip-shaped form (41) is formed in essentially the axial direction of the bearing axis (L) with the bearing pin (1) being formed by means of plastic extrusion coating (5) about the clip-shaped form (41).
2. Bearing pin for locking pieces according to claim 1,
characterized in that,
the extrusion coating (5) of the bearing pin (1) is produced using the Outsert method.
3. Bearing pin for locking pieces according to claims 1 or 2,
characterized in that,
the clip-shaped form (41) is punched out of the carrier plate (4) and moved upright.
4. Bearing pin for locking pieces according to claims 1 to 3,
characterized in that,
the clip-shaped form (41) is flat.
5. Bearing pin for locking pieces according to claims 1 to 4,
characterized in that,
the extrusion coating (5) of the clip-shaped form (41) forms a cylindrical bearing pin (1).

6. Bearing pin for locking pieces according to claims 1 to 4, characterized in that,
the extrusion coating (5) forms a bearing pin (1a) with a smaller internal diameter (11) and a larger external diameter (12) with the larger diameter (12) being provided in the main direction of force transfer (F) from the locking pieces (2, 21) onto the bearing pin (1).
7. Bearing pin for locking pieces according to claim 6, characterized in that,
an essentially dovetail-shaped bearing seat opening (23) is provided in the locking pieces (2, 21a) corresponding to the bearing pin (1), said opening having a smaller internal diameter (24) and a larger external diameter (25).
8. Bearing pin for locking pieces according to one of the preceding claims characterized in that,
the carrier plate (4) is formed by a frame box (31) of a motor vehicle door lock (3).
9. Bearing pin for locking pieces according to one of the claims 1 to 7, characterized in that,
the carrier plate is formed by a lock housing of a motor vehicle door lock.
10. Bearing pin for locking pieces according to one of the preceding claims characterized in that,
the end (13) of the bearing pin (1) is accommodated in a recess (33) in a lock housing (32) enclosing at least partially the locking pieces (2, 21, 22).
11. Bearing pin for locking pieces according to one of the preceding claims characterized in that,
the locking pieces (2) are a catch (21) and/or a pawl (22) of a motor vehicle door lock (3).

12. Motor vehicle door lock (3) with locking pieces (2, 21, 22) mounted on a carrier plate (4),

characterized in that,

at least one of the locking pieces (2, 21, 22) is mounted on one bearing pin (1) according to claims 1 to 11.

13. Motor vehicle door lock (3) according to claim 12,

characterized in that,

the carrier plate (4) and/or the lock housing (32) enclosing the locking pieces (2, 21, 22) on the carrier plate (4) at least partially contain guiding grooves and/or guiding elevations (6) and/or stops for the locking pieces (2, 21, 22) and/or other moved parts of the motor vehicle door lock (3), produced by an applied plastic extrusion coating (51) or application.

14. Motor vehicle door lock according to claim 12 or 13

characterized in that,

the locking pieces (2, 21, 22) are partially covered with a plastic extrusion coating (53), said plastic extruded coating being applied, in particular, using the Outsert method.

15. Motor vehicle door lock (3) according to claim 12 to 14

characterized in that,

the outer edges of the carrier plate (4) and/or the edges of openings or punched-out sections are provided at least partially with a plastic extrusion coating covering the edges, said plastic extrusion coating being applied, in particular, using the Outsert method.

16. Motor vehicle door lock (3) according to claim 12 to 15,

characterized in that,

at least partially between the locking pieces (2, 21, 22) and the carrier plate (4) and/or the frame box (31) and/or the lock housing, a section of plastic extrusion coating (52) is applied, in particular using the Outsert method.

17. Motor vehicle door lock (3) according to claim 12 to 16 characterized in that, plastic extrusion coatings (5, 51, 52) on the carrier plate are produced in a single production step, using the Outsert method.